

**Example #8: Use your calculator to add these resistors in parallel:**

(a) 25  $\Omega$ , 30  $\Omega$ , 50  $\Omega$

(b) 50  $\Omega$ , 68  $\Omega$ , 270  $\Omega$ , 569  $\Omega$

$$a) \quad \frac{1}{R_o} = \frac{1}{25} + \frac{1}{30} + \frac{1}{50}$$

$$R_o = 11 \Omega$$

$$b) \quad R_o = \left[ \frac{1}{50} + \frac{1}{68} + \frac{1}{270} + \frac{1}{569} \right]^{-1}$$

$$R_o = 25 \Omega$$